

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 102  | (photonic near crystal or photonic near bandgap or photonic near band near gap or phc or pbg) and (microcavity or micro-cavity or local\$4 near (defect or void or vacancy) or resonance) near10 (n or p or "n+" or "p+" or doped or doping or dopant)  | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR               | ON      | 2005/05/09 13:30 |
| L2    | 13   | (photonic near crystal or photonic near bandgap or photonic near band near gap or phc or pbg) and (microcavity or micro-cavity or local\$4 near (defect or void or vacancy) or resonance) near10 (n or p or "n+" or "p+" or doped or doping or dopant) near6 (silicon or si or semiconductor) | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR               | ON      | 2005/05/09 13:31 |
| S1    | 359  | (photonic adj band adj gap or phc or photonic adj crystal or pbg) and (waveguide or waveguiding or resonant or resonance) near6 (defect or vacancy or void)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/05/04 09:28 |
| S2    | 40   | (photonic adj band adj gap or phc or photonic adj crystal or pbg) and (waveguide or waveguiding or resonant or resonance) near6 (defect or vacancy or void) same (tuning or tunability or charge near inject\$3 or current or biasing or biased or voltage)                                   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/05/04 11:13 |
| S3    | 6    | ("5802236"   "6097870"   "6243522"   "6334017"   "6433919"   "6445862").PN.   | US-PGPUB; USPAT; USOCR                      | OR               | ON      | 2005/05/04 11:04 |
| S4    | 8    | active near2 (photonic adj band adj gap or phc or photonic adj crystal or pbg) near8 (waveguide or wave adj guide or waveguiding or microcavity or resonant near cavity)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/05/04 11:15 |
| S5    | 73   | active near2 (photonic adj band adj gap or phc or photonic adj crystal or pbg)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/05/04 11:15 |
| S6    | 8    | (US-20040027646-\$ or US-20030185532-\$ or US-20020172456-\$ or US-20020048422-\$).did. or (US-6813064-\$ or US-6731846-\$ or US-6512866-\$ or US-6058127-\$).did.  | US-PGPUB; USPAT                             | OR               | ON      | 2005/05/04 16:13 |
| S7    | 14   | coupled near (microcavity or micro adj cavity) near (waveguide or wave adj guide)   | US-PGPUB; USPAT                             | OR               | ON      | 2005/05/04 16:14 |
| S8    | 30   | ("6058127").URPN.   | USPAT                                       | OR               | ON      | 2005/05/09 11:28 |
| S10   | 2    | "20020146196"   | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR               | ON      | 2005/05/09 11:31 |
| S12   | 155  | (photonic near crystal or photonic near bandgap or photonic near band near gap or phc or pbg) same (microcavity or micro-cavity)  | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR               | ON      | 2005/05/09 11:46 |
| S13   | 26   | (photonic near crystal or photonic near bandgap or photonic near band near gap or phc or pbg) same (tunable or tunability) same (microcavity or micro-cavity)   | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR               | ON      | 2005/05/09 11:48 |
| S14   | 52   | (photonic near crystal or photonic near bandgap or photonic near band near gap or phc or pbg) and (microcavity or micro-cavity or local\$4 near (defect or void or vacancy) or resonance) near6 (bias or biasing or voltage or current or (charge or carrier) near2 (inject\$3 or deplet\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT          | OR               | ON      | 2005/05/09 13:28 |